

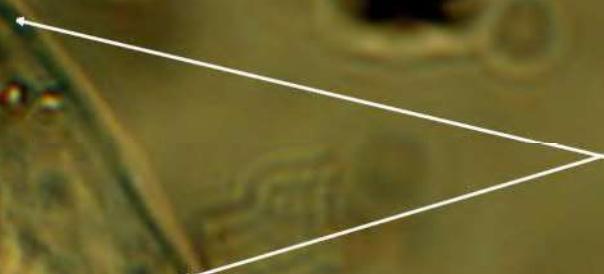
M70484-001HLM-006 Chrysotile Perpendicular Dispersion



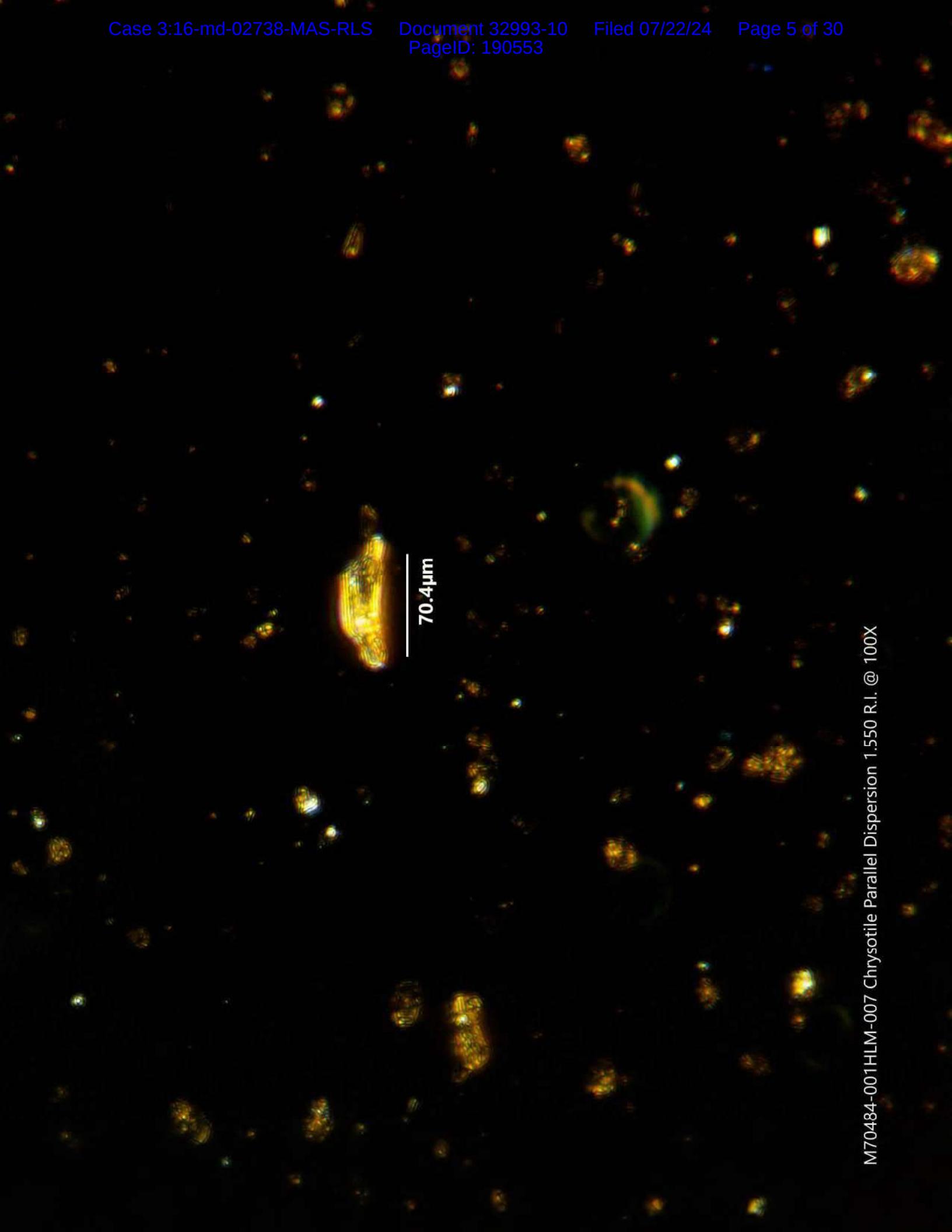
M70484-001HLM-006 Chrysotile Elongation @ 400X



M70484-001HLM-006 Chrysotile Crossed Polars



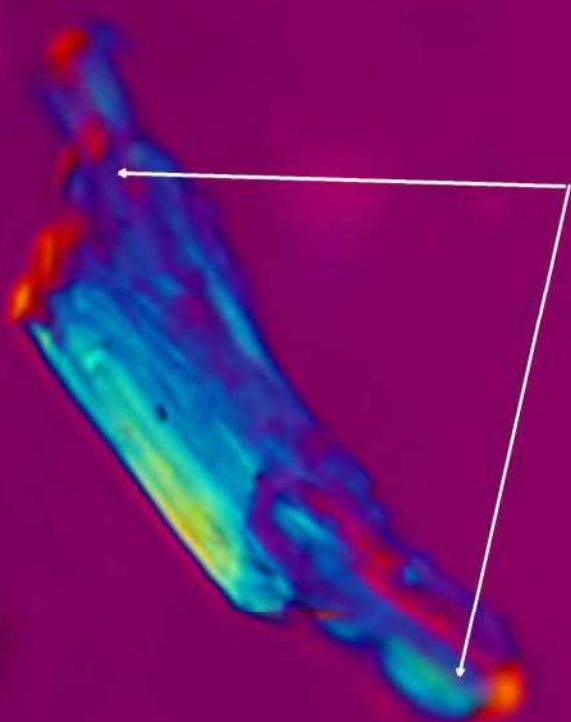
M70484-001HLM-006 Chrysotile  
Polarizer out  
Aperture Diaphragm 95% closed  
1.550 R.I. @ 400X



M70484-001HLM-007 Chrysotile Parallel Dispersion 1.550 R.I. @ 100X



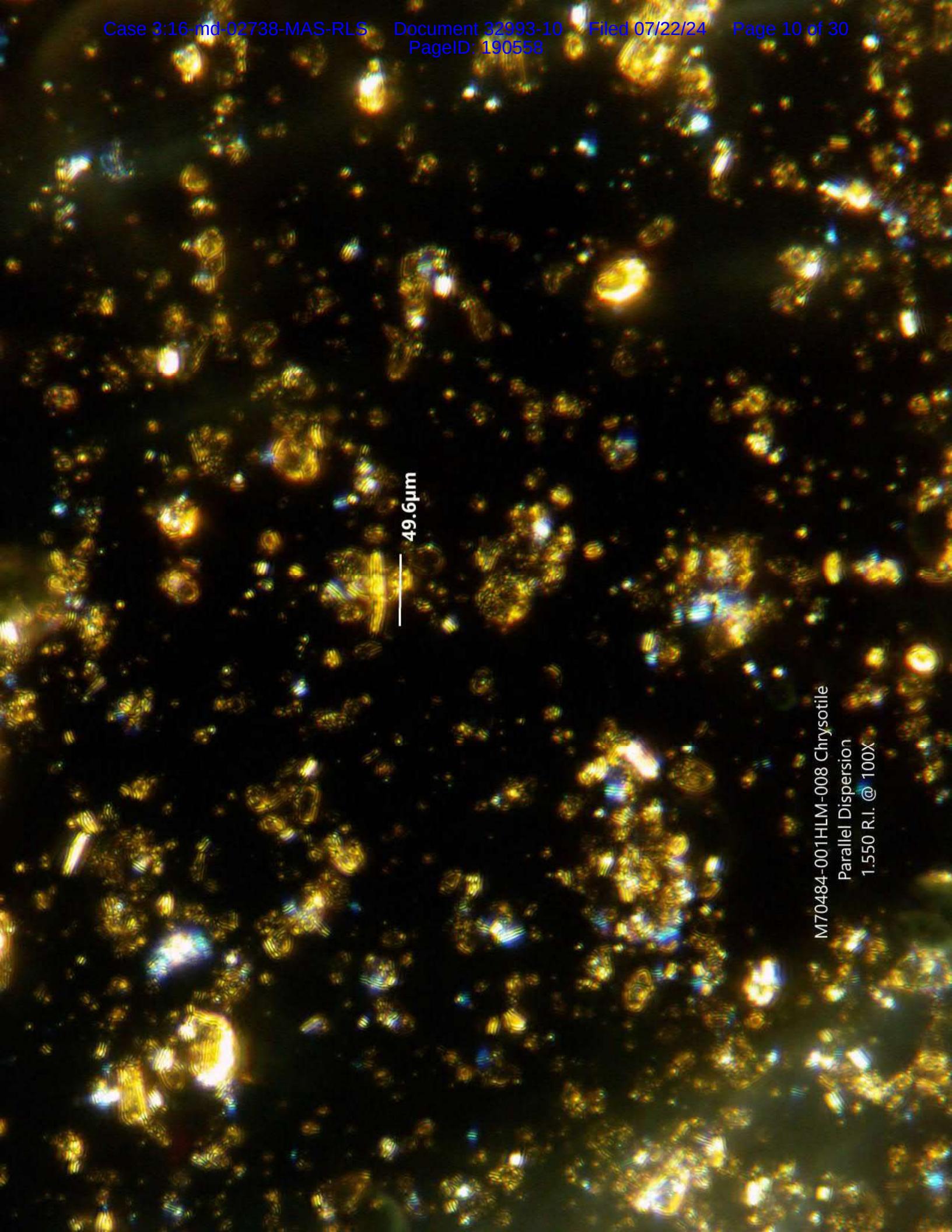
M70484-001HLM-007 Chrysotile Perpendicular Dispersion





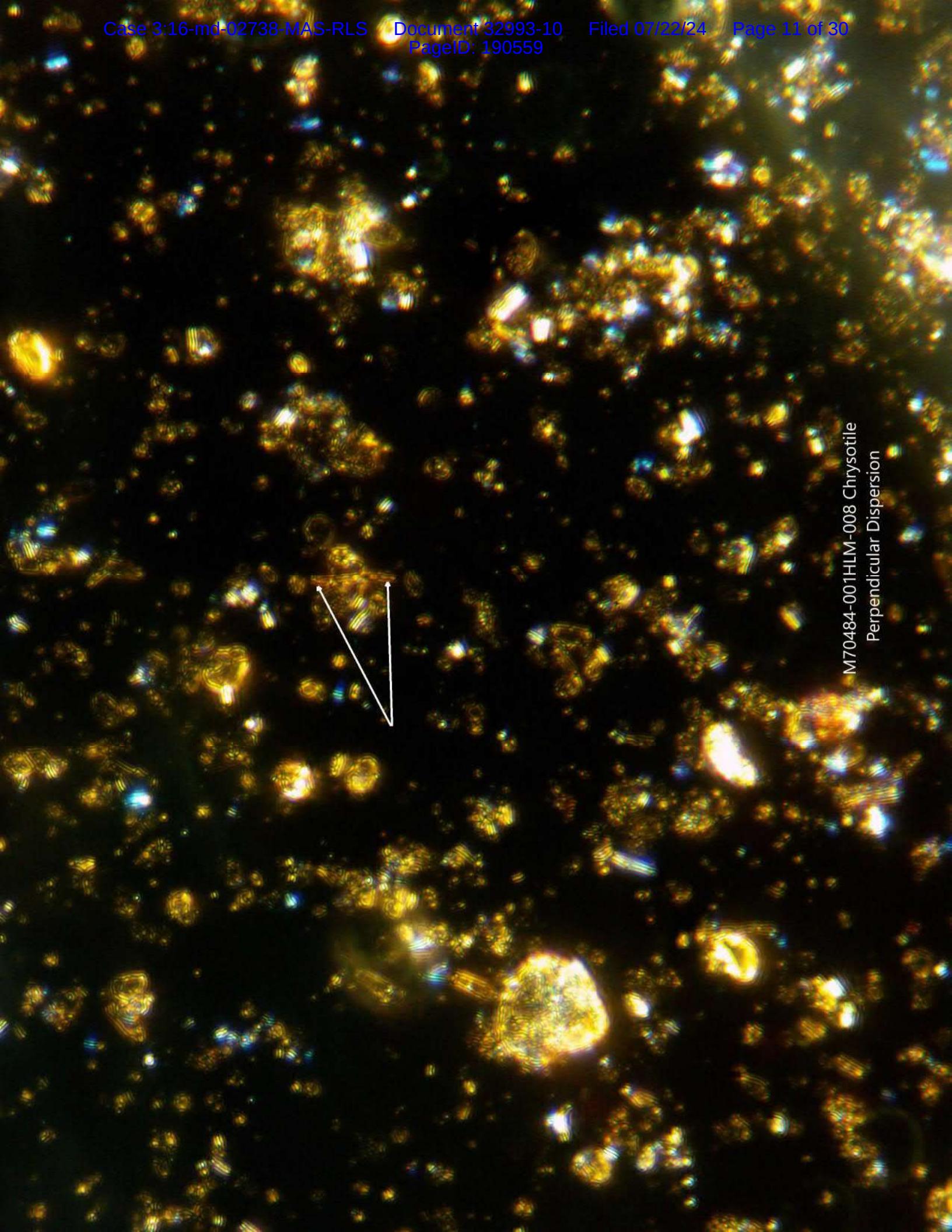


M70484-001HLM-007 Chrysotile  
Polarizer out  
Aperture Diaphragm 95% closed  
1.550 R.I. @ 400X

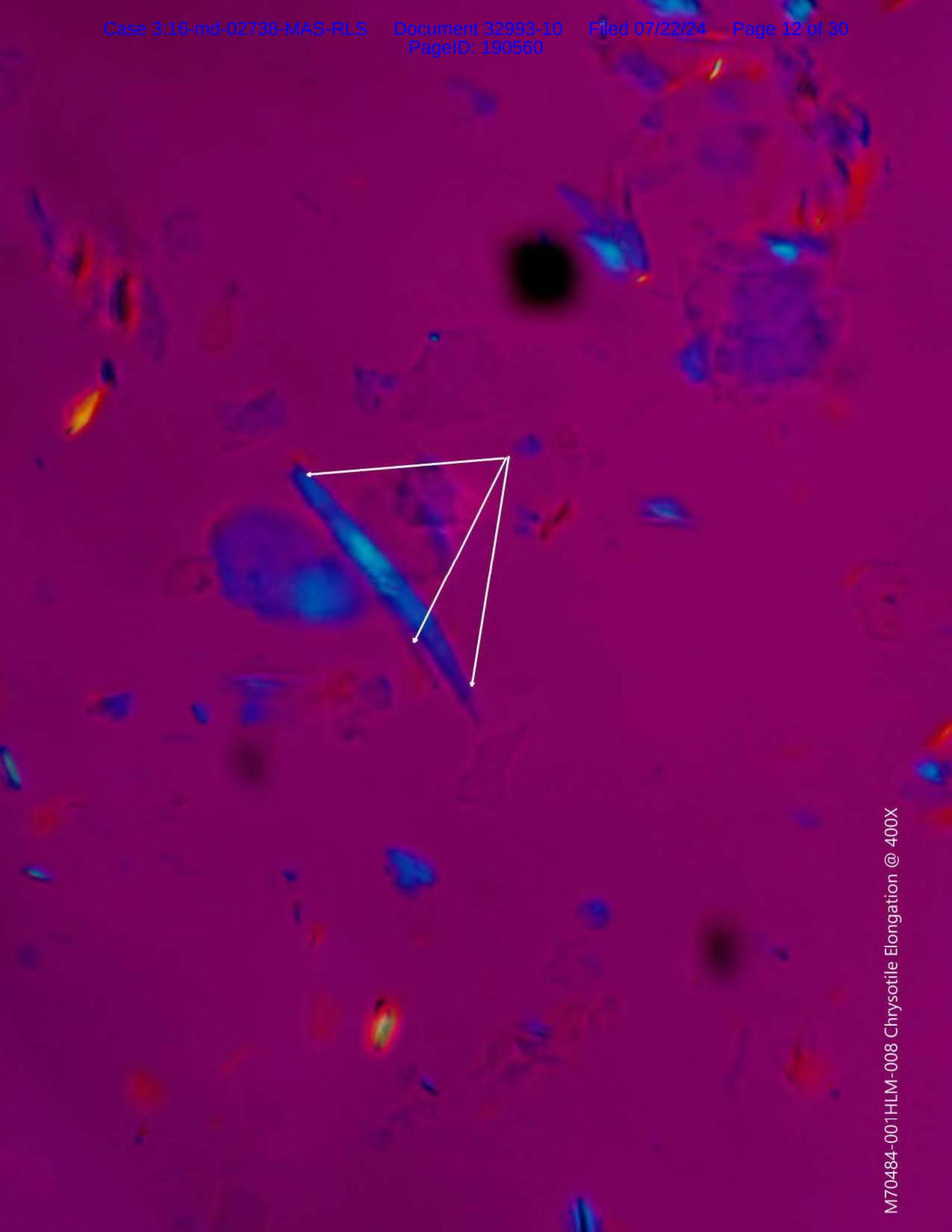
A photomicrograph showing numerous small, bright, yellowish-green fibers of chrysotile asbestos against a dark background. The fibers are elongated and exhibit a distinct birefringence, appearing as thin, bright lines when viewed under polarized light. A scale bar is located in the upper left quadrant of the image, consisting of a horizontal line with a vertical crossbar, labeled "49.6 μm".

49.6 μm

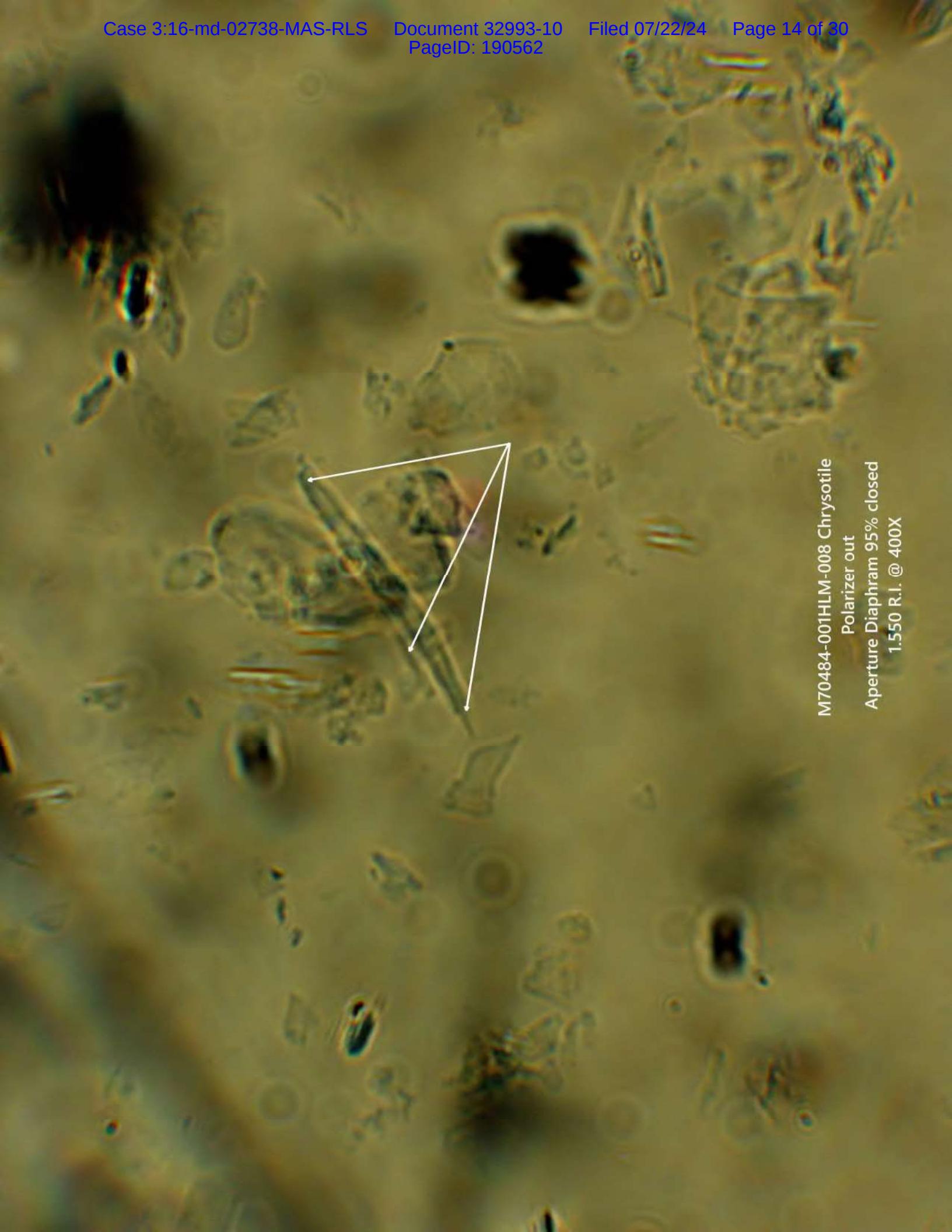
M70484-001HLM-008 Chrysotile  
Parallel Dispersion  
1.550 R.I. @ 100X



M70484-001HLM-008 Chrysotile  
Perpendicular Dispersion







M70484-001HLM-008 Chrysotile  
Polarizer out  
Aperture Diaphragm 95% closed  
1.550 R.I. @ 400X

## TEM Bulk Talc Structure Count Sheet

TEM Bulk Talc Structure Count Sheet					
Project/ Sample No.	M70484-001	Grid Box #	8668	No. of Grids Counted	2
Analyst:	Jayme Callan		Length	Width	G. O. Area
Date of Analysis	7/23/2019 - 7/24/2019	G. O. in microns =	105	105	11025
Initial Weight(g)	0.03180		105	105	11025
Analysis Type	Post Separation Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted
3	Screen Magnification	20 KX	Area Examined mm <sup>2</sup>		
			1.103		

Str. #	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
NSD	E3-A1							
NSD	A2							
NSD	A3							
NSD	A4							
NSD	A5							
NSD	A6							
NSD	A7							
NSD	A8							
NSD	A9							
NSD	A10							
NSD	C1							
NSD	C2							
NSD	C3							
NSD	C4							
NSD	C5							
NSD	C6							
NSD	C7							
NSD	C8							
NSD	C9							
NSD	C10							
NSD	E1							
NSD	E2							
NSD	E3							
NSD	E4							
NSD	E5							
NSD	E6							
NSD	E7							
NSD	E8							
NSD	E9							
NSD	E10							
NSD	F1							
NSD	F2							
NSD	F3							
NSD	F6							
NSD	F7							
NSD	F8							
NSD	F9							
NSD	F10							
NSD	H4							
NSD	H5							
NSD	H6							
NSD	H7							
NSD	H8							
NSD	H9							
NSD	H10							
NSD	I4							
NSD	I5							
NSD	I6							
NSD	I7							
NSD	I8							

TEM Bulk Talc Structure Count Sheet					
Project/ Sample No.	M70484-001	Grid Box #	8668	No. of Grids Counted	2
Analyst:	Jayme Callan		Length	Width	G. O. Area
Date of Analysis	7/23/2019 - 7/24/2019	G. O. in microns =	105	105	11025
Initial Weight(g)	0.03180		105	105	11025
Analysis Type	Post Separation Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted
3	Screen Magnification	20 KX	Area Examined mm <sup>2</sup>		

Str. #	Grid Opening	Structure	Asbestos Type	Length	Width	Ratio	SAED	EDS
NSD	E4-B1							
NSD	B2							
NSD	B3							
NSD	B4							
NSD	B5							
NSD	B6							
NSD	B7							
NSD	B8							
NSD	B9							
NSD	B10							
NSD	C1							
NSD	C2							
NSD	C3							
NSD	C4							
NSD	C5							
NSD	C6							
NSD	C7							
NSD	C8							
NSD	C9							
NSD	C10							
NSD	F1							
NSD	F2							
NSD	F3							
NSD	F4							
NSD	F5							
NSD	F6							
NSD	F7							
NSD	F8							
NSD	F9							
NSD	F10							
NSD	G1							
NSD	G2							
NSD	G3							
NSD	G4							
NSD	G5							
NSD	G6							
NSD	G7							
NSD	G8							
NSD	G9							
NSD	G10							
NSD	I1							
NSD	I2							
NSD	I3							
NSD	I4							
NSD	I5							
NSD	I6							
NSD	I7							
NSD	I8							
NSD	I9							
NSD	I10							

TEM Bulk Talc Structure Count Sheet					
Project/ Sample No.	M70484-001	Grid Box #	8668	No. of Grids Counted	2
Analyst:	Jayme Callan		Length	Width	G. O. Area
Date of Analysis	7/23/2019 - 7/24/2019	G. O. in microns =	105	105	11025
Initial Weight(g)	0.03180		105	105	11025
Analysis Type	Post Separation Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted
3	Screen Magnification	20 KX	Area Examined mm <sup>2</sup>		
Str. #	Grid Opening	Structure	Asbestos Type	Length	Width
				Ratio	SAED
					EDS

Sample Wt.  
 Org. Sample  
Wt.  
 Post HL  
Separation

0.03180 0.03180 g

Percent of  
Orig. Post  
Separation 100 (%)

Wt. Of  
Sample  
Analyzed  
0.00017434 g  
 Filter size  
201.1 mm<sup>2</sup>  
 Number of  
Structures  
Counted  
0 Str.  
 Structures  
per Gram of  
Sample <5,740 Str./g

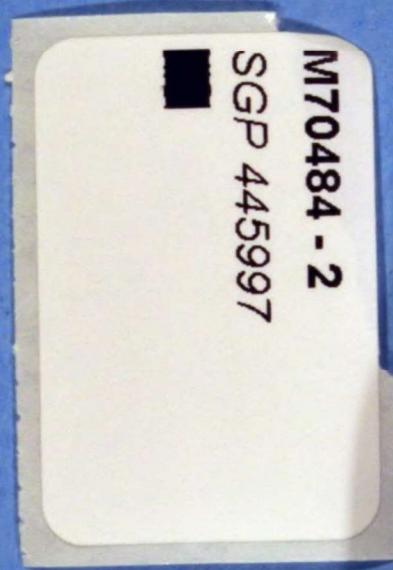
Detection Limit	5.74E+03	Str./g
Analytical Sensitivity	5.74E+03	Str./g

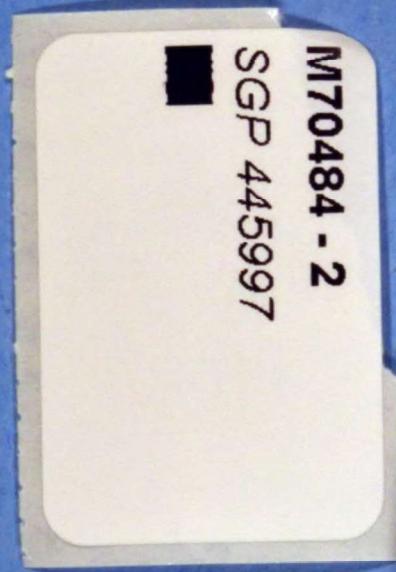
TEM Bulk Talc Structure Count Sheet					
Project/ Sample No.	M70484-001	Grid Box #	8668	No. of Grids Counted	2
Analyst:	Jayne Callan		Length	Width	G.O. Area
Date of Analysis	7/23/2019 - 7/24/2019	G. O. in microns =	105	105	105
Initial Weight(g)	0.03180		105	105	105
Analysis Type	Post Separation Talc Analysis	Grid Acceptance	Yes	Average	11025
Scope No.	Accelerating Voltage	100 KV	Loading%	20%	G.O.s Counted
3	Screen Magnification	20 KX	Area Examined mm <sup>2</sup>		1.103

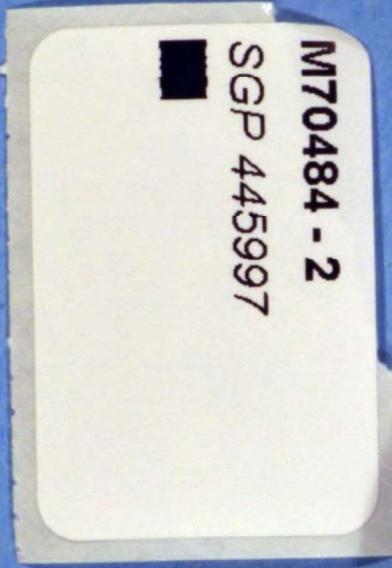
Str. #	Grid Opening	Str./Asb. Type	Length	Width	Ratio	SAED	EDS
NSD	E3-A1					No fibrous talc observed	

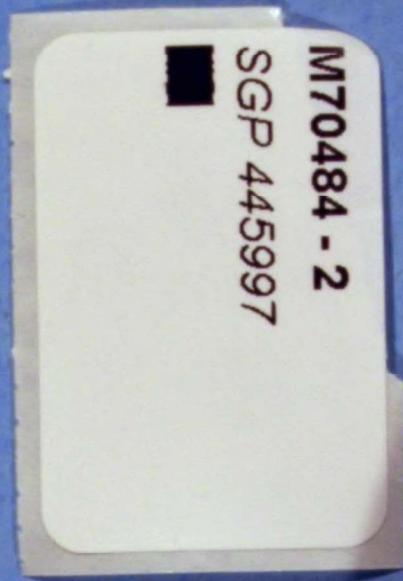
# **Section 4**

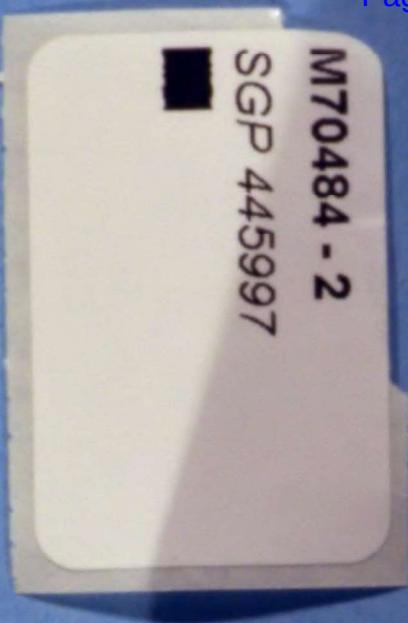












MAS, LLC  
PLM ANALYSIS

Proj#-Spl# M70484- 002BL Analyst Paul Hess Date 6/19/2019  
ClientName Simon Greenstone Panatier Bartlett ClientSpl SGP 445997  
Location \_\_\_\_\_  
Type\_Mat Johnson & Johnson Baby Powder 1.5oz  
Gross Off-white debris on slide % of Sample 100  
Visual \_\_\_\_\_

OPTICAL DATA FOR ASBESTOS IDENTIFICATION

Morphology			
Pleochroism			
Refract Index			
Sign^			
Extinction			
Birefringence			
Melt			
Fiber Name			

ASBESTOS MINERALS

EST. VOL. %  
NO ASBESTOS OBSERVED

Chrysotile.....  
Amosite.....  
Crocidolite.....  
Tremolite/Actinolite.....  
Anthophyllite.....

**OTHER FIBROUS COMPONENTS**

Talc -B/Y DS in 1.55 \*\*\*  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**NON FIBROUS COMPONENTS**

Opacites X  
Talc X  
Mineral grains X  
\_\_\_\_\_

**Binder Description** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Comments** X = Materials detected. \*\*\* Moderate amount of Fibrous Talc observed.  
\_\_\_\_\_

The method detection limit is 1% unless otherwise stated.

MAS, LLC  
PLM ANALYSIS

Proj#-Spl# M70484- 002ISO Analyst Paul Hess Date 6/17/2019  
ClientName Simon Greenstone Panatier Bartlett ClientSpl SGP 445997  
Location \_\_\_\_\_  
Type\_Mat Johnson & Johnson Baby Powder 1.5oz  
Gross Off-white powder % of Sample 100  
Visual \_\_\_\_\_

OPTICAL DATA FOR ASBESTOS IDENTIFICATION

Morphology			
Pleochroism			
Refract Index			
Sign^			
Extinction			
Birefringence			
Melt			
Fiber Name			

ASBESTOS MINERALS

EST. VOL. %  
NO ASBESTOS OBSERVED

Chrysotile.....  
Amosite.....  
Crocidolite.....  
Tremolite/Actinolite.....  
Anthophyllite.....

**OTHER FIBROUS COMPONENTS**

Talc -B/Y DS in 1.55 \*\*\*  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**NON FIBROUS COMPONENTS**

Opacites X  
Talc X  
Mineral grains X  
\_\_\_\_\_

**Binder Description** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Comments** X = Materials detected. \*\*\* Abundant Fibrous Talc observed.  
\_\_\_\_\_

The method detection limit is 1% unless otherwise stated.

MAS, LLC  
PLM ANALYSIS

Proj#-Spl# M70484- 002HLM Analyst Paul Hess Date 2/22/2020  
ClientName Simon Greenstone Panatier Bartlett ClientSpl SGP 445997  
Location \_\_\_\_\_  
Type\_Mat Johnson & Johnson Baby Powder 1.5oz  
Gross White debris on filter % of Sample 100  
Visual \_\_\_\_\_

OPTICAL DATA FOR ASBESTOS IDENTIFICATION

Morphology	wavy		
Pleochroism	none		
Refract Index	1.561/1.552		
Sign^	positive		
Extinction	parallel		
Birefringence	low		
Melt	no		
Fiber Name	Chrysotile		

ASBESTOS MINERALS EST. VOL. %

Chrysotile..... 0.001 to 0.01  
Amosite.....  
Crocidolite.....  
Tremolite/Actinolite.....  
Anthophyllite.....

**OTHER FIBROUS COMPONENTS**

Talc -B/Y DS in 1.55 \*\*\*  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

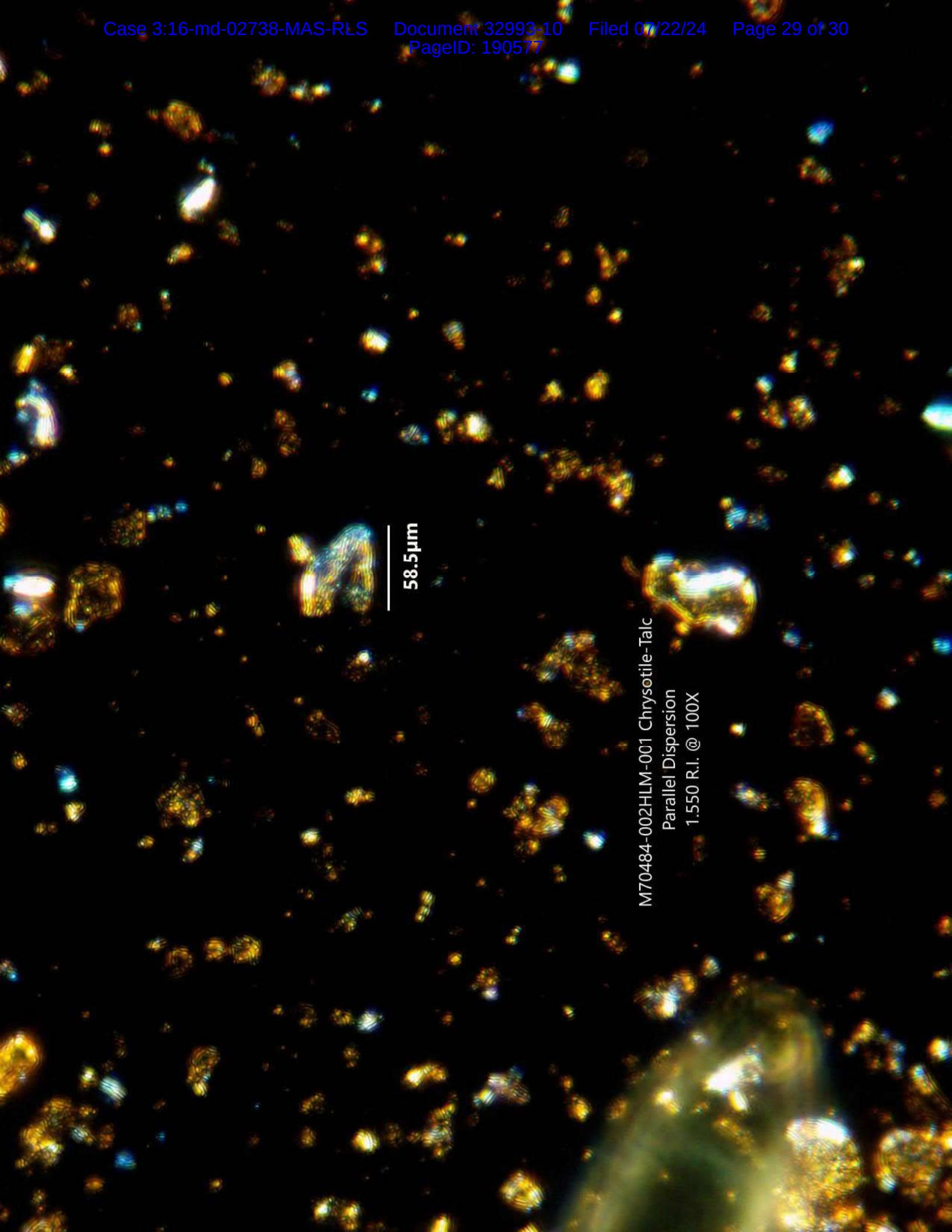
**NON FIBROUS COMPONENTS**

Opacites X  
Talc X  
Mineral grains X  
\_\_\_\_\_

**Binder Description** \_\_\_\_\_

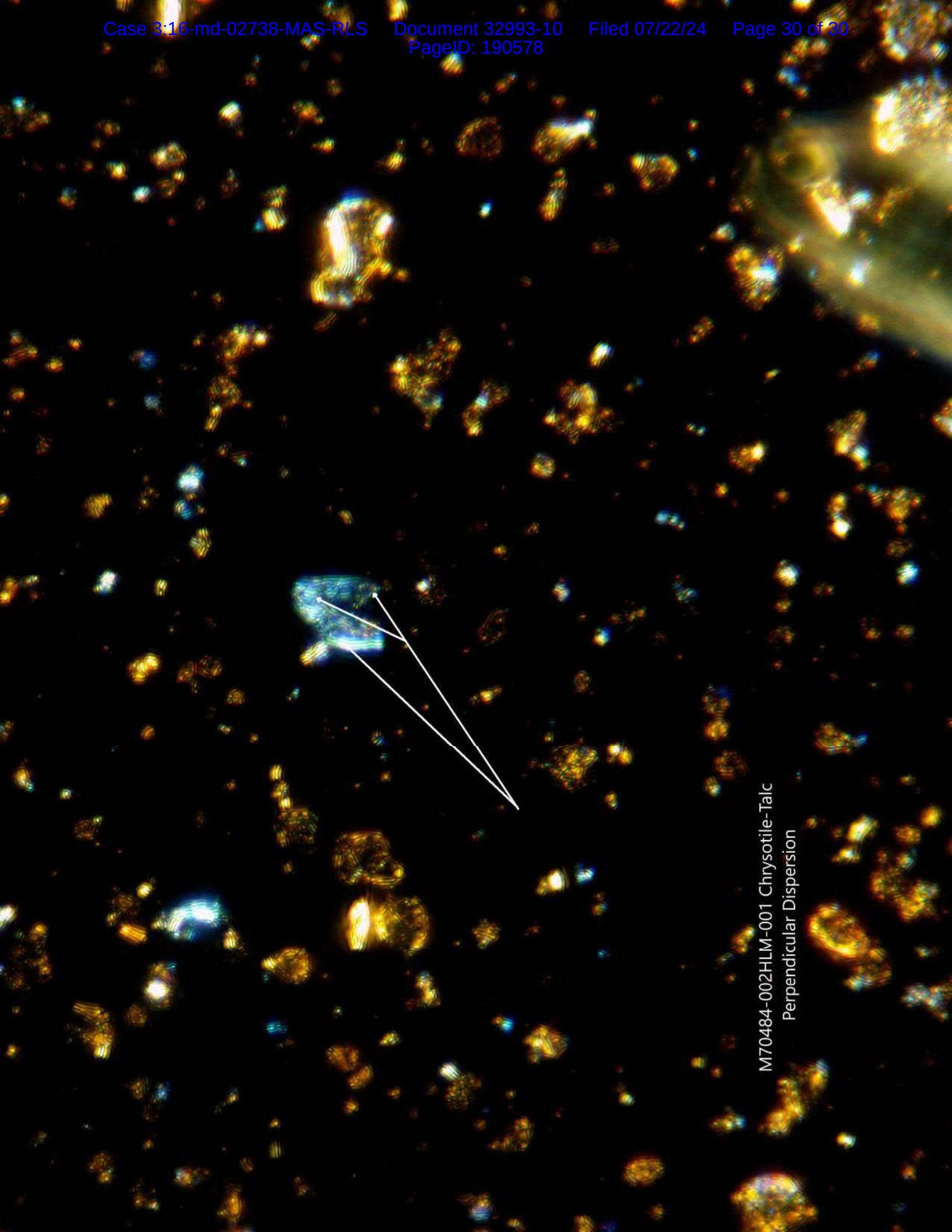
**Comments** Chrysotile asbestos observed. X = Materials detected. \*\*\* Moderate amount of Fibrous  
Talc observed.

The method detection limit is 1% unless otherwise stated.



M70484-002HLM-001 Chrysotile-Talc  
Parallel Dispersion  
1.550 R.I. @ 100X

58.5 μm



M70484-002HLM-001 Chrysotile-Talc  
Perpendicular Dispersion